

Household Hazardous Materials Programs



A Report to the Iowa General Assembly

January 2005

Iowa Department of Natural Resources
Energy and Waste Management Bureau

Household Hazardous Materials Programs

Toxic Cleanup Days Regional Collection Centers

A Report to the Iowa General Assembly

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Iowa Department of Natural Resources
Jeffrey R. Vonk, Director

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Executive Summary

This report summarizes accomplishments of Toxic Cleanup Days and Regional Collection Centers, two programs that play an important role in educating the public and providing for the appropriate disposal of hazardous waste. Both are operated by the Energy and Waste Management Bureau of the Department of Natural Resources, which provides this report to the Iowa General Assembly in accordance with Iowa Code Section 455F.8.

The Code of Iowa authorizes the Department of Natural Resources to provide for the collection and disposal of small amounts of hazardous wastes that are stored in residences, on farms or in certain small businesses. The department has developed a variety of programs that work together in promoting the safe use, storage and disposal of these wastes.

Regional Collection Centers (RCC) —

Permanent sites for collection and temporary storage for disposal of household hazardous wastes and hazardous waste from eligible small businesses.

Toxic Cleanup Days (illustrated on this page) — One-day collection events for household hazardous waste in counties that are not yet served by a permanent RCC.

Retailers Consumer Education Program —

A permit and consumer information program to assist retailers with compliance in the Household Hazardous Material (HHM) Retailer permit and consumer education program.

Household Hazardous Materials Education

Grants — A grant program to assist local governments and others with household hazardous materials general awareness projects.



Above: Workers at a Toxic Cleanup Day handle household hazardous materials.



Left: Some of the items collected at a typical Toxic Cleanup Day. Items include pesticides, solvents, oil-based paints and banned chemicals, such as DDT.



Household Hazardous Waste

Household hazardous waste is defined as the unused or leftover portions of household hazardous materials. Household hazardous materials possess any or all of the following characteristics:

Toxic — poisonous, causing cancer or other health problems.

Corrosive — destroys human tissues or corrodes metal

Flammable — easily ignitable and will burn

Reactive — explosive through exposure to heat, sudden shock, pressure or incompatible chemicals

Poison Control

A total of 11,330 exposures to household hazardous materials were reported to the Iowa Poison Control Center in 2002.

Processing methods

Hazardous waste is processed in the following ways:

Recycling — To extract and reuse useful materials from a waste product, or to recondition and adapt that waste to a new use or function as a raw material or new product.

Incineration — High temperature (1800 F or greater) destruction of wastes in EPA permitted facilities. Ash recovered from this process is placed in a secure hazardous waste landfill.

Fuel blending/recovery — Material is comingled with similar wastes and used as a supplementary fuel in the production of power.

Treatment — Chemical transformation of wastes to make them less toxic or chemically inert. Residuals from this process are placed in a secure hazardous waste landfill.

Hazardous Waste

Hazardous waste is associated with adverse health, environmental and safety effects. Health effects caused by hazardous waste can be acute (sudden or immediate onset of severe symptoms) or chronic (gradual onset of symptoms occurring through repeated exposure over an extended period of time). Household hazardous waste is defined as the unused or leftover portions of household hazardous materials.

Children are of special concern, as they are more susceptible to toxins than adults. In addition, toxins may impair their immune and reproductive systems. A total of 11,330 exposures to hazardous materials were reported to the Iowa Poison Control Center in 2002.

Hazardous waste also has a negative impact on the environment. It contaminates groundwater and surface water, and it destroys the effectiveness of wastewater treatment plants. Dumping household hazardous wastes into drainage ditches may cause toxins to flow untreated into rivers and lakes. Improper disposal of hazardous waste also may contaminate our groundwater, which is the primary source of drinking water for most Iowa communities.

Toxic Cleanup Days

Toxic Cleanup Days are voluntary, one-day events, provided to Iowa households and farms free of charge, in which a designated site is promoted and staffed as a drop-off point for disposal of small amounts (220 pounds or 25 gallons per household) of hazardous waste materials. These events are publicized by the media and hosted by individual counties with funding and administrative assistance of the Energy and Waste Management Bureau, which has provided these resources since 1988.



Regional Collection Centers

Regional Collection Centers (RCCs) are permanent collection facilities designed to assist the public and small business generators with proper management of hazardous waste. RCCs accept specific types of hazardous waste for disposal, provide a materials exchange (Swap Shop) and work to educate lowans in proper purchasing and management techniques for HHMs.

Human health concerns

Hazardous waste may enter the body in the following ways:

1. Ingestion
2. Inhalation
3. Skin contact

Regional Collection Centers - Summary of 2004

Number of Establishment Grants Awarded	Two
Total Establishment Grant Awards	\$190,000
Total Operations Support Provided	\$280,167
Total Department Contribution	\$470,167
Total Hazardous Waste Collected	2,496,653 lbs.
Total Hazardous Waste Collected - Managed Locally	1,533,798 lbs.
Total Materials Reused	312,900 lbs.
Avg. Hazardous Waste Amount Collected Per Participant	97 lbs.

Note: RCC accomplishments during fiscal year 2004 can be found on p. 17 of this report.

Toxic Cleanup Days- Summary of 2004

Total Number of Events Held ¹	Three
Total Department Contribution	\$5,990.70
Total Local Contribution	\$1,444.75
Total Cost of TCD Events	\$7,435.45
Total Hazardous Waste Collected	4,412.00 lbs.
Avg. Hazardous Waste Amount Collected Per Participant	65.93 lbs.

¹ Spring 2004 TCD events cancelled due to lack of funding.

Section 1:

Toxic Cleanup Days



Toxic Cleanup Days

Toxic Cleanup Day results for 2004

Department contribution	\$7,655.16
Local contribution	\$13,552.78
Total cost	\$21,207.94
Average cost per pound	\$1.42
Households in counties selected for an event	26,100
Total households represented at events	290
Total amount of waste collected*	16,426 pounds
Avg. amount of hazardous waste collected	56.64 pounds per household
Average participation rate	1.11%

In 2004, the Department of Natural Resources sponsored a total of three Toxic Cleanup Days in Iowa. The events took place in Appanoose, Davis and Wapello counties.

Toxic Cleanup Days were a success in 2004. More than 16,000 pounds of hazardous materials were collected at a total cost of \$21,207.94. These figures do not include materials handled locally, such as latex paint, motor oil, antifreeze and lead-acid batteries. Cost to the State of Iowa was \$7,655.16.

A total of 290 households participated in Toxic Cleanup Days during 2004. More than 56 pounds of hazardous waste was collected per attendee at an average cost of \$1.42 per pound.

Appanoose County

Rathbun Area Solid Waste
October 9, 2004

Toxic Cleanup Day results for 2004

Department Contribution	\$5,990.70
Local Contribution.....	\$1,444.75
Total cost.....	\$7,435.45
Average cost per pound	\$1.24
Households in counties selected for an event	6,697
Total households represented at events.....	91
Total amount of waste collected*	4,412
Average amount of hazardous waste collected	65.93 per household
Average participation rate.....	1.6%
Reused locally	
Latex paint	76 gal
Used oil	1260 gal
Lead-acid batteries	123

* Note: Total amount of waste collected does not include materials managed locally (motor oil, lead-acid batteries, latex paint, antifreeze).



Davis County

Bloomfield, IA
 October 9, 2004

Toxic Cleanup Day results for 2004

Department Contribution	\$1,664.46
Local Contribution.....	\$2,405.25
Total cost.....	\$4,069.71
Average cost per pound	\$1.85
Households in counties selected for an event	3530
Total households represented at events.....	32
Total amount of waste collected*	2,197
Average amount of hazardous waste collected	68.66
per household	
Average participation rate.....	.90%
Reused locally	
Latex paint.....	0 gal
Used oil	0 gal
Lead-acid batteries	0

Wapello County

Ottumwa, IA
 October 23, 2004

Toxic Cleanup Day results for 2004

Department Contribution	\$0
Local Contribution.....	\$9,702.78
Total cost.....	\$9,702.78
Average cost per pound	\$1.18
Households in counties selected for an event	15,873
Total households represented at events.....	167
Total amount of waste collected*	8229
Average amount of hazardous waste collected	49.28
per household	
Average participation rate.....	1.05%
Reused locally	
Latex paint.....	0 gal
Used oil	100 gal
Lead-acid batteries	0

* Note: Total amount of waste collected does not include materials managed locally (motor oil, lead-acid batteries, latex paint, antifreeze).



Summary of household hazardous wastes collected at 2004 Toxic Clean Up Days

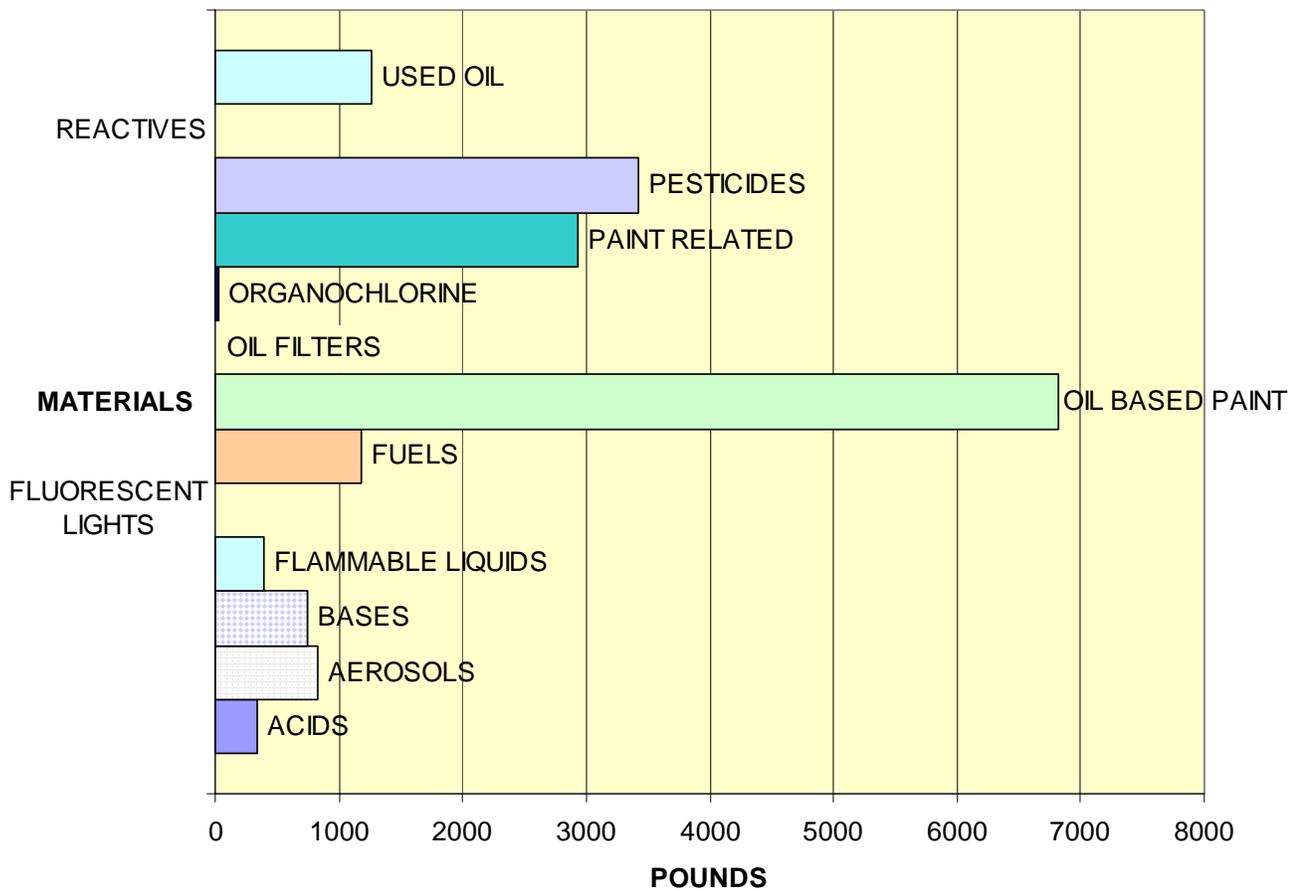
All figures shown in pounds collected

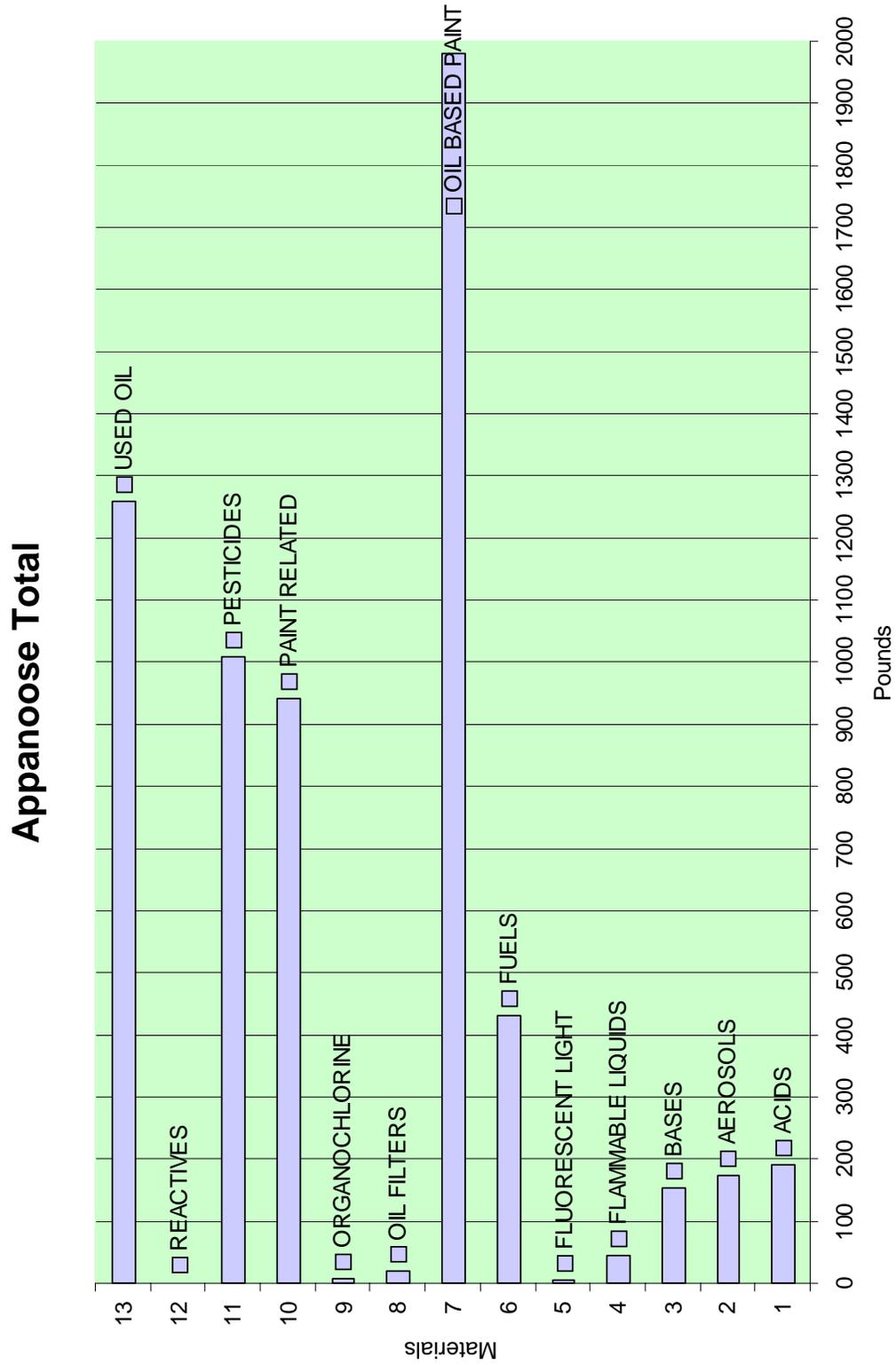
Material	Appanoose	Davis	Wapello	Total
Acids	191	27	116	334
Aerosols	174	78	579	831
Bases	153	94	506	753
Flammable liquids	44	80	264	388
Fluorescent lights	4	0	0	4
Fuels	432	0	752	1184
Oil-based paint	1979	699	4139	6817
Oil filters	20	0	0	20
Organochlorine	8	0	13	21
Paint-related	942	317	1672	2931
Pesticides	1008	1142	1277	3427
Reactives	2	0	3	5
Used oil	1260	0	0	1260
TOTAL	6217	2437	9321	17975



Type and amount of hazardous materials collected at 2004 Toxic Clean Up Days

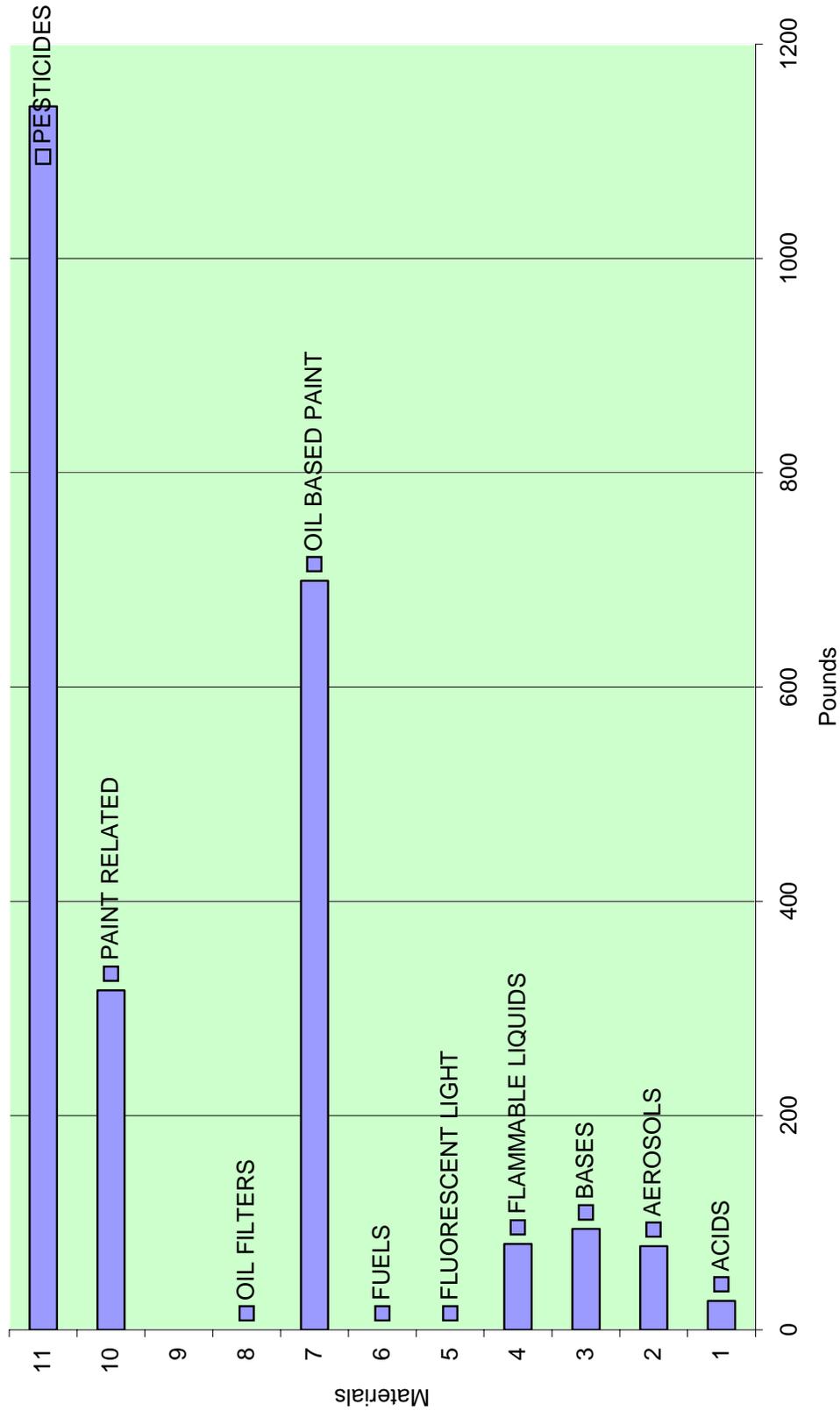
TCD TOTAL





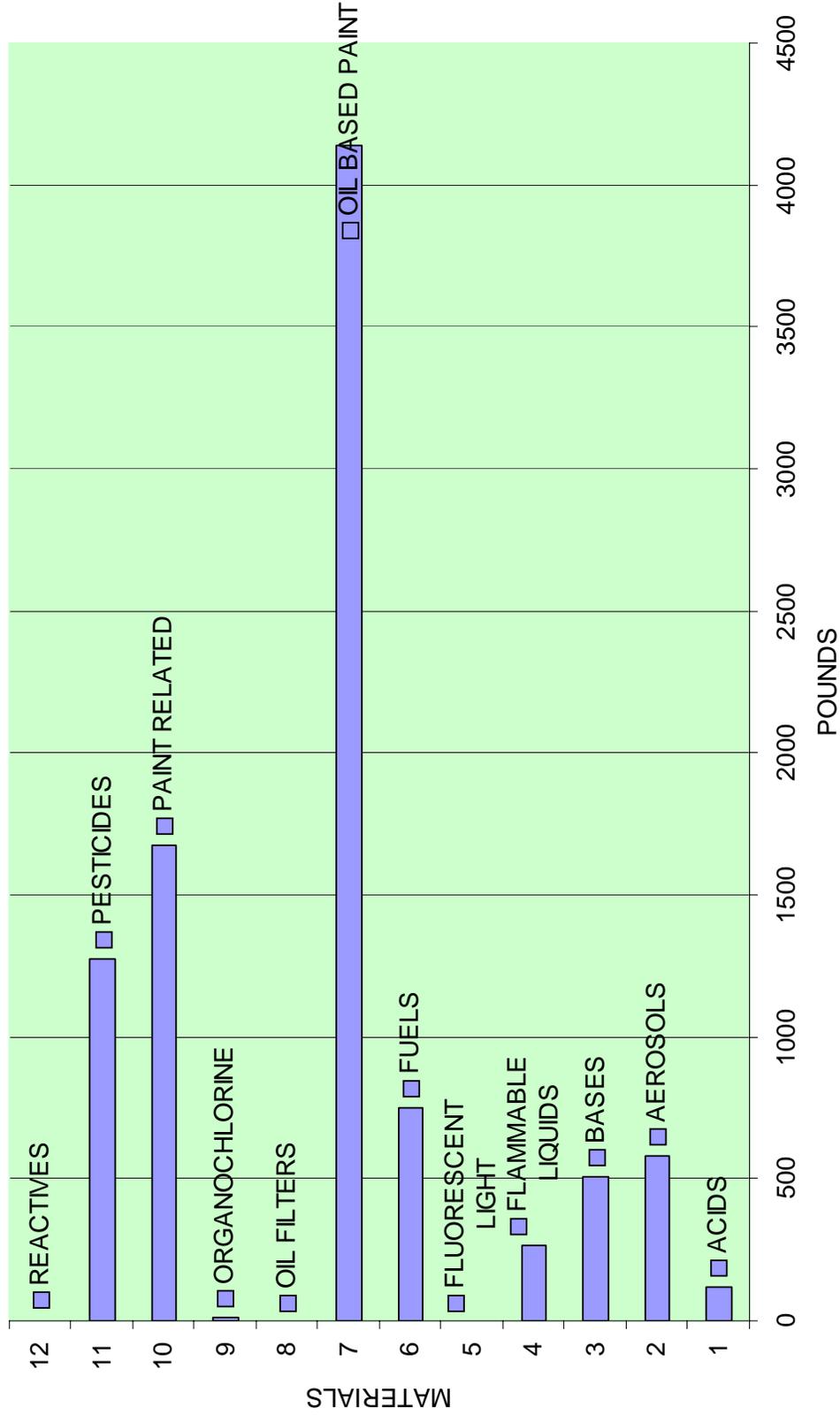


Davis Total





Wapello Total





2004 Toxic Clean Up Days Survey Results

	Davis	Appanoose	Wapello	Totals
Households Contributing to Waste				
One	20	56	119	195
Two	6	13	21	40
Three	0	3	2	5
Four or more	0	0	0	0
Total	26	72	142	240
Length of Storage				
2 years or less	6	15	39	60
3-10 years	10	41	78	129
10-20 years	10	13	19	42
More than 20 years	4	9	15	28
Total	30	78	151	259
Disposal Opportunity Preference				
Permanent facility	7	16	56	79
Once per year	17	36	70	123
Every 2 years	1	11	19	31
Every 5 years	0	3	3	6
Total	25	66	148	239
Travel distance				
Less than 5 miles	16	42	111	169
5-10 miles	7	13	21	41
10-20 miles	3	20	13	36
More than 20 miles	0	0	0	0
Total	26	75	145	246
Other disposal				
Store	18	54	122	194
Wastewater facility	0	1	0	1
Septic System	0	0	0	0
Trash	3	9	18	30
Storm sewer	0	1	0	1
Return to retailer	0	5	0	5
Pour on ground	0	4	4	8
Don't know	7	9	15	31
Total	28	83	159	270
Why do you have?				
Accumulated	22	61	111	194
Moving	2	1	8	11
Previous homeowner	3	21	35	59
Estate	3	5	9	17
Other	0	0	0	0
Total	30	88	163	281



2004 Toxic Clean Up Days Survey Results Continued

	Davis	Appanoose	Wapello	Totals
Age group				
Less than 30	0	3	4	7
Thirties	1	5	7	13
Forties	1	6	23	30
Fifty-plus	24	56	113	193
Total	26	70	147	243
Heard of event from				
Radio	0	4	15	19
Newspaper	15	64	74	153
Poster/flyer	6	0	68	74
Word of mouth	5	5	9	19
Other	5	2	1	8
Total	31	75	167	273

Section 2:

Regional Collection Centers



Regional Collection Centers

Regional Collection Centers (RCCs) are Iowa's permanent disposal option for hazardous materials from households, farms and conditionally exempt small quantity generator businesses.¹ An RCC is a public, locally managed facility for the collection, sorting and

packaging of hazardous materials prior to their transport for proper disposal. In 1991, the Iowa General Assembly provided for the establishment of regional collection centers (455F.8A) to serve households and conditionally exempt small quantity generators on an ongoing basis. The establishment of the RCC program has provided a permanent, ongoing and cost-effective mechanism for the collection of hazardous materials in Iowa.

RCCs serve two purposes

1. Educate the public regarding the proper management of household hazardous materials (i.e., purchase of safer alternatives, buy only what you need, use what you buy, give away what you cannot use, and proper disposal).

2. Provide regular access to properly dispose of hazardous materials for which alternative uses are not available.

Since the inception of this program, more than 12 million pounds of waste have been diverted from landfills, including more than 3.5 million pounds of toxic, flammable or reactive household hazardous waste. These materials posed significant threat to Iowa's groundwater, wildlife, solid waste haulers, landfill operators, children and families through potential personal exposure or contamination. RCCs have assisted residents in disposal of thousands of pounds of banned pesticides, mercury, various organic solvents and a wide scope of other toxic and hazardous chemicals.

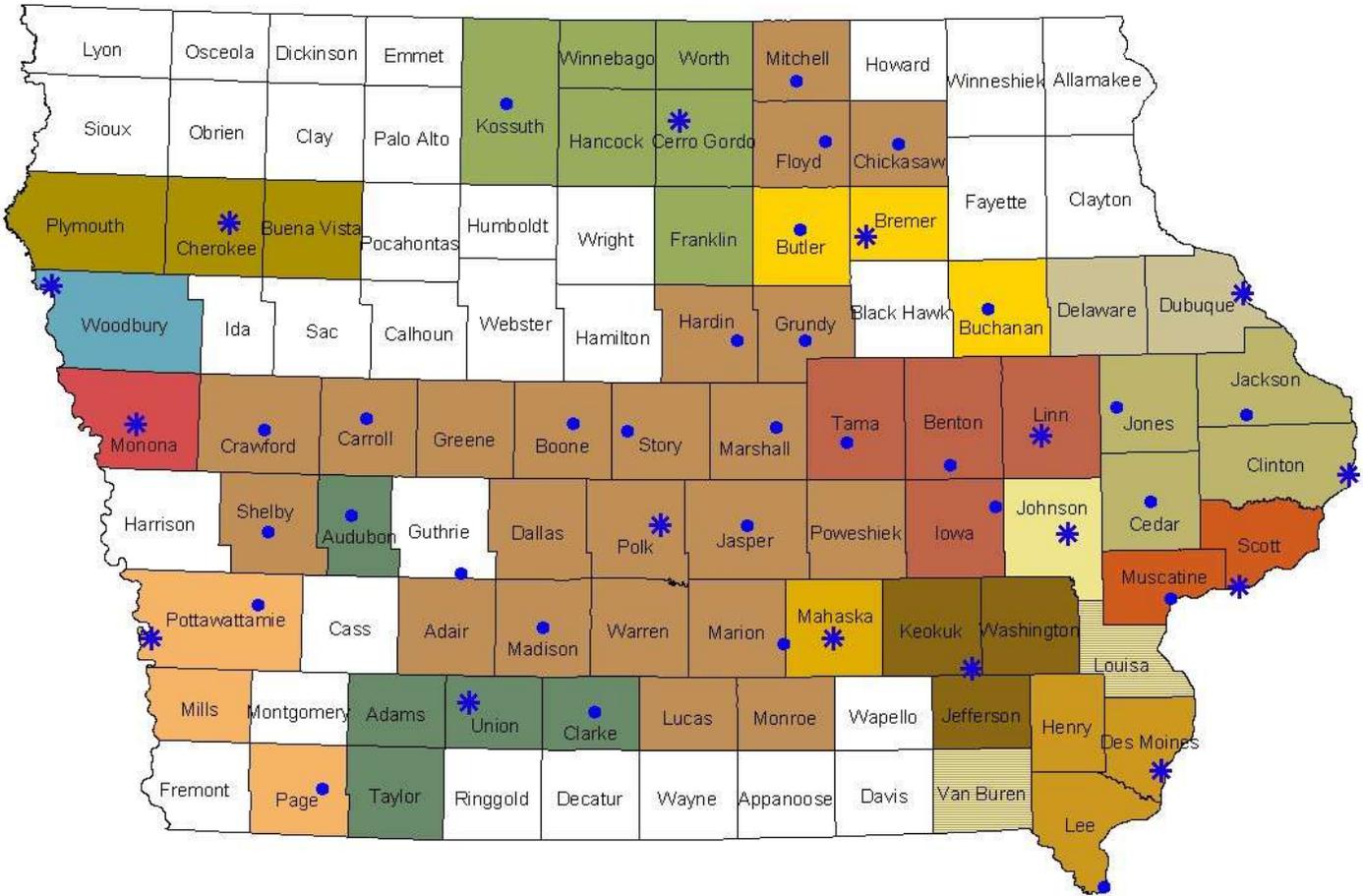
Currently, 16 operating RCCs and 28 satellite facilities serve residents in 66 counties. Two more facilities (Siouxland and Mahaska County) are under construction and are expected to begin collections in spring of 2005. Monona County has begun operation and is expected to begin collecting and shipping waste in 2005. It is the goal of the Household Hazardous Materials program to have each county in Iowa included in the service area of an RCC.

A summary of information for the operations of all RCCs has been detailed in the remainder of this report. Individual reports for each RCC also can be found, including a summary of the RCC accomplishments for fiscal year 2004, a summary of materials collected at the RCC during fiscal year 2004 and a map showing the current RCC locations. In addition, a consolidated contact list of all RCCs and their satellites has been provided.

¹ A conditionally exempt small quantity generator (CESQG) meets the following criteria: Within one month will not generate more than 100 kilograms (approximately 220 lbs.) of hazardous materials, will not produce or store more than 1 kilogram of an acute hazardous material (these are listed in 40CFR261.33) in one month, and never stores more than 1,000 kilograms (approximately 2,200 lbs.) of hazardous waste at any one time.

Household Hazardous Materials Regional Collection Centers

Regional Collection Centers (RCCs) are permanent collection facilities designed to assist the public and small business generators with proper management of hazardous materials.



- * RCC Locations
- Satellites
- Bluestem Solid Waste Agency
- Bremer County Sanitary Landfill
- Clinton County Area Solid Waste Agency
- Council Bluffs Dept. of Public Health
- Dubuque Metro Area solid Waste Agency
- Hazchem Center of Southeast Iowa
- Hazchem Center Sponsored Toxic Cleanup Days
- Iowa City RCC
- Landfill of North Iowa
- Mahaska County RCC
- Metro Waste Authority
- Monona County Transfer Station & Recycling Center RCC
- PCB Solid Waste Agency
- Prairie Solid Waste Agency
- Siouxland HHM RCC
- Southeast Multi-County Solid Waste Agency
- Waste Commission of Scott County

Revised October 2004



Regional Collection Center (RCC) Accomplishments

Fiscal Year 2004

Advantages of RCCs

- Permanent availability, often year-round
- Lower cost per pound collected
- Ongoing education
- Available to CESQG businesses
- One facility can serve several counties

The following data are derived from 16 Regional Collection Centers currently in operation:

Total Program Cost for FY 2004	\$2,068,732
Household hazardous waste collected	192,827 lbs.
Latex paint managed locally	665,748 lbs.
Used motor oil managed locally	614,188 lbs.
Used lead-acid batteries managed locally	181,940 lbs.
Other (sharps, recycled metals, etc.)	267,320 lbs.
SWAP materials reused locally	312,900 lbs.
TOTAL MANAGED LOCALLY*	1,533,798 lbs.
TOTAL AMOUNT OF WASTE COLLECTED**	2,496,653 lbs.

Total Household Participation	28,749
Total Small Quantity Generator Participation	687
Total Participation	29,436

Key Points Summary	
Disposal cost per pound of <i>hazardous waste collected</i>	\$0.65
Program cost per pound of <i>total hazardous waste collected*</i>	\$0.83
Average weight of waste collected per participant	97.04 lbs.
Total IDNR reimbursement per pound of <i>hazardous waste collected</i>	\$0.44
Total IDNR reimbursement per pound of <i>total hazardous waste collected*</i>	\$0.12

* Includes SWAP poundage.

** Includes hazardous waste managed locally with no contractor disposal costs.

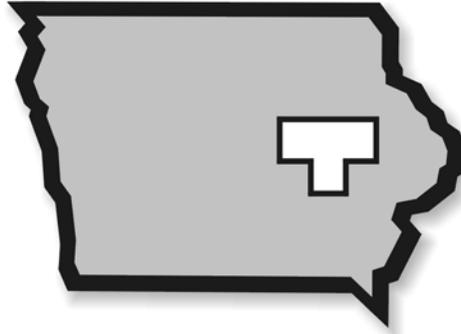


Cedar Rapids/Linn County SWA Regional Collection Center

Facility Service Area:

Main Facility: *Linn County*

Satellite Facilities: *Benton, Iowa
and Tama counties*



Population:

99,680 households

Contact info:

*Cedar Rapids/Linn
Co. SWA*

*P.O. Box 2068
Cedar Rapids, IA
52732*

*Floyd Pelkey
(319) 373-4771*

Participation Overview	Number of participants	Percent participation
Households participating	4,932	4.9
Conditionally exempt businesses	120	NA

Disposal costs \$45,277
RCC disposal cost per pound \$0.15

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	94,294
Latex paint managed locally	118,706
Used oil managed locally	0
Lead acid batteries managed locally	931
Other managed locally	82,678
Total managed locally**	137,905
TOTAL PROGRAM COLLECTION***	308,243
Amount distributed in a SWAP shop	39,048

Key Points Summary	
Total pounds collected per participant	61.01
Total operational cost per pound of waste collected****	\$0.87

Total RCC
expenditures*
\$267,495

Operation &
Disposal Support
From DNR
\$38,593.54

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



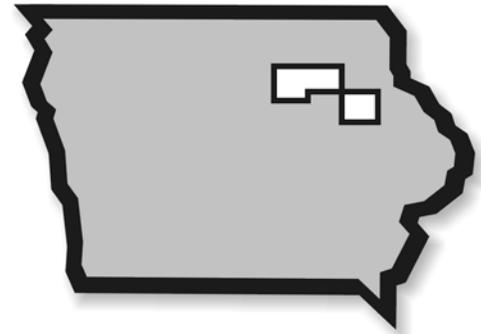
Bremer County Regional Collection Center

Population:
22,968 households

Contact info:
Bremer Co. Regional
Collection Center
415 E. Bremer Ave.
Waverly, IA 50677

Brett Vette:
(319) 352-4574

Facility Service Area:
Main Facility: *Bremer County*
Satellite Facilities: *Butler and
Buchanan counties*



Participation Overview	Number of participants	Percent participation
Households participating	296	1.3
Conditionally exempt businesses	83	NA

Total RCC
expenditures*
\$71,878

Disposal costs \$7,372.50
RCC disposal cost per pound \$0.48

Operation &
Disposal Support
From DNR
\$5,612.43

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	11,669
Latex paint managed locally	2,864
Used oil managed locally	803
Lead acid batteries managed locally	0
Other managed locally	0
Total managed locally**	3,667
TOTAL PROGRAM COLLECTION***	15,336
Amount distributed in a SWAP shop	0

Key Points Summary	
Total pounds collected per participant	40.46
Total operational cost per pound of waste collected****	\$4.68

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



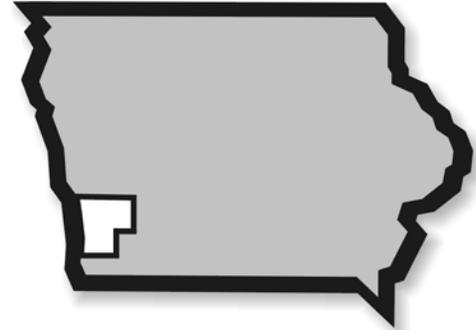
Council Bluffs Regional Collection Center

Population:
45,876 households

Contact info:
Council Bluffs
Regional Collection
Center
4441 Gifford Road
Council Bluffs, IA
51501

Glen Ingham:
(712) 328-4985

Facility Service Area:
Main Facility: *Council Bluffs*
Mobile Collection Unit
supporting: *Pottawattamie and
Mills counties*



Participation Overview	Number of participants	Percent participation
Households participating	1,581	3.4
Conditionally exempt businesses	18	NA

Total RCC
expenditures*
\$163,254.66

Disposal costs \$18,255
RCC disposal cost per pound \$0.07

Operation &
Disposal Support
From DNR
\$19,401.22

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	46,747
Latex paint managed locally	77,874
Used oil managed locally	80,776
Lead acid batteries managed locally	35,240
Other managed locally	0
Total managed locally**	193,890
TOTAL PROGRAM COLLECTION***	249,132
Amount distributed in a SWAP shop	78,196

Key Points Summary	
Total pounds collected per participant	155.8
Total operational cost per pound of waste collected****	\$0.65

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

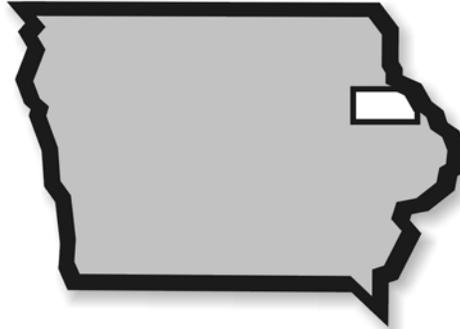
**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



Dubuque Regional Collection Center

Facility Service Area:

Main Facility: *Dubuque County*
 Mobile Connection Unit
 supporting: *Dubuque and Delaware counties*



Population:
 40,524 households

Contact info:
 Dubuque Regional
 Collection Center
 925 Kerper Blvd.
 Dubuque, IA 52001

Nancy Otterbeck
 (563) 589-1720

Participation Overview	Number of participants	Percent participation
Households participating	619	1.5
Conditionally exempt businesses	63	NA

Disposal costs \$30,995.43
 RCC disposal cost per pound \$0.49

Total RCC expenditures*
 \$35,874.19

Operation & Disposal Support From DNR
 \$14,505.35

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	31,352
Latex paint managed locally	16,996
Used oil managed locally	6,100
Lead acid batteries managed locally	4,050
Other managed locally	4,450
Total managed locally**	31,596
TOTAL PROGRAM COLLECTION***	62,948
Amount distributed in a SWAP shop	28,294

Key Points Summary	
Total pounds collected per participant	92.29
Total operational cost per pound of waste collected****	\$0.56

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.
 ** Includes SWAP poundage.
 *** Includes hazardous waste managed locally with no contractor disposal costs.
 **** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



HazChem Center of Southeast Iowa

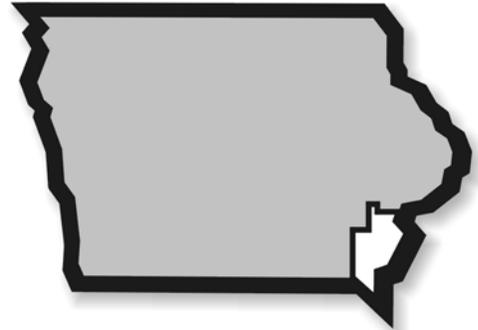
Population:
44,757 households

Contact info:
HazChem Center of
Southeast Iowa
1818 W. Burlington
Ave.
Burlington, IA 52601

Elyn Holton-Dean:
(312) 753-8758

Facility Service Area:

Main Facility: *Des Moines County*
Mobile Collection Unit
supporting: *Des Moines, Henry,
Lee and Louisa counties*
Satellite Facility: *Lee County*



Participation Overview	Number of participants	Percent participation
Households participating	237	0.5
Conditionally exempt businesses	25	NA

Total RCC
expenditures*
\$82,339

Disposal costs \$8,365
RCC disposal cost per pound \$0.26

Operation &
Disposal Support
From DNR
\$6,229.44

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	16,525
Latex paint managed locally	3,741
Used oil managed locally	7,450
Lead acid batteries managed locally	0
Other managed locally	2,002
Total managed locally**	13,193
TOTAL PROGRAM COLLECTION***	31,837
Amount distributed in a SWAP shop (incl. in total)	3,222

Key Points Summary	
Total pounds collected per participant	121.52
Total operational cost per pound of waste collected****	\$2.59

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

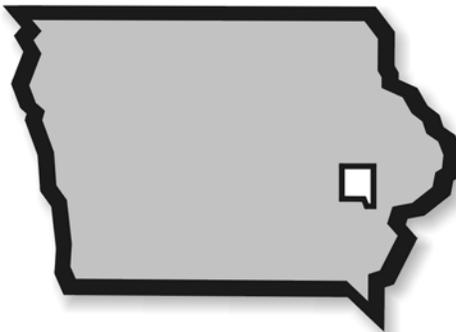
**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



Iowa City Regional Collection Center

Facility Service Area:

Main Facility: *Johnson County*



Population:

44,080 households

Contact info:

*Iowa City RCC
3900 Hebl Ave. SW
Iowa City, IA 52240*

*Dave Elias
(319) 356-5170*

Participation Overview	Number of participants	Percent participation
Households participating	6,048	13.7
Conditionally exempt businesses	40	NA

Disposal costs \$34,029.54
RCC disposal cost per pound \$0.12

Total RCC expenditures* \$96,435.69

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	56,546
Latex paint managed locally	128,720
Used oil managed locally	68,640
Lead acid batteries managed locally	17,498
Other managed locally	240
Total managed locally**	215,098
TOTAL PROGRAM COLLECTION***	274,186
Amount distributed in a SWAP shop	10,532

Operation & Disposal Support From DNR \$22,789.21

Key Points Summary	
Total pounds collected per participant	45.03
Total operational cost per pound of waste collected****	\$0.35

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



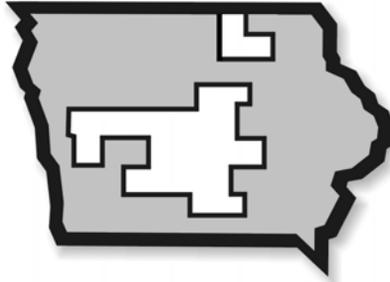
Metro Waste Authority Regional Collection Center

Facility Service Area:

Main Facility: *Polk County*
Mobile Connection Unit

supporting: *Adair, Boone, Carroll, Crawford, Dallas, Greene, Grundy, Jasper, Lucas, Madison, Marion, Marshall, Monroe, Poweshiek, Shelby, Story and Warren counties*

Satellite Facilities: *Adair, Boone, Carroll, Chickasaw, Crawford, Floyd, Grundy, Hardin, Jasper, Madison, Marion, Marshall, Mitchell, Shelby, and Story counties*



Population:

337,597 households

Contact info:

MWA Regional
Collection Center
225 Prairie Dr.
Bondurant, IA 50035

Judi Mendenhall
(515) 967-5512

Participation Overview	Number of participants	Percent participation
Households participating	8,324	2.7
Conditionally exempt businesses	140	NA

Disposal costs \$155,894.57
RCC disposal cost per pound \$0.23

Total RCC expenditures*
\$857,815.36

Operation & Disposal Support
From DNR
\$85,251.15

Type of Waste Collected	Quantity collected
Household hazardous waste (HHW)	216,113
Latex paint managed locally	138,485
Used oil managed locally	80,715
Lead acid batteries managed locally	34,503
Other managed locally	152,845
Total managed locally**	406,548
TOTAL PROGRAM COLLECTION***	652,037
Amount distributed in a SWAP shop	119,364

Key Points Summary	
Total pounds collected per participant	76.8
Total operational cost per pound of waste collected****	\$1.31

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



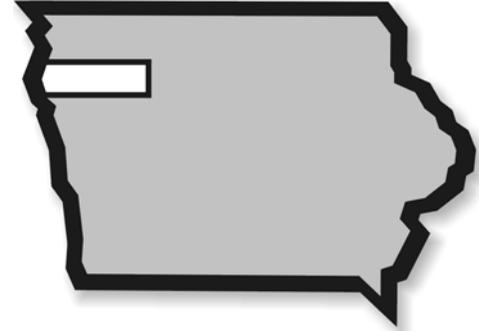
PCB Regional Collection Center

Population:
22,249 households

Contact info:
PCB Regional
Collection Center
1805 Linden St.
Cherokee, IA 51012

Dennis Henrich
(712) 225-3749

Facility Service Area:
Main Facility: *Cherokee County*
Mobile Collection Unit
supporting: *Plymouth, Cherokee
and Buena Vista counties*



Participation Overview	Number of participants	Percent participation
Households participating	402	1.81
Conditionally exempt businesses	0	NA

Total RCC
expenditures*
\$56,319.52

Disposal costs \$37,371
RCC disposal cost per pound \$0.91

Operation &
Disposal Support
From DNR
\$8,066

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	22,797
Latex paint managed locally	7,640
Used oil managed locally	260
Lead acid batteries managed locally	237
Other managed locally	10,016
Total managed locally**	18,153
TOTAL PROGRAM COLLECTION**	40,950
Amount distributed in a SWAP shop	0

Key Points Summary	
Total pounds collected per participant	101.87
Total operational cost per pound of waste collected***	\$1.38

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

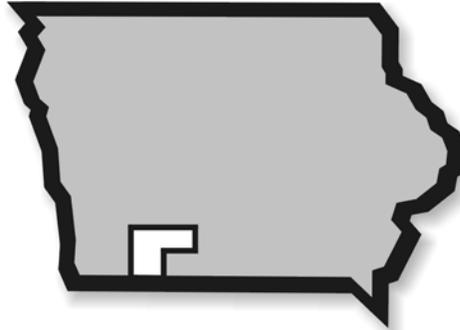
**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



Prairie SWA (formerly TAURUS) Regional Collection Center

Facility Service Area:

Main Facility: *Union County*
 Mobile Connection Unit
 supporting: *Adams and
 Taylor counties*



Population:
 16,290 households

Contact info:
 Prairie RCC
 1774 Lark Ave.
 P.O. Box 227
 Creston, IA 50801

*Leslie Bullock-
 Goldsmith
 (641) 347-5022*

Participation Overview	Number of participants	Percent participation
Households participating	237	0.01
Conditionally exempt businesses	10	NA

Disposal costs \$4,882.54
 RCC disposal cost per pound \$0.25

Total RCC expenditures*
 \$98,866

Operation & Disposal Support From DNR
 \$2,114.85

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	5,858.8
Latex paint managed locally	2,812
Used oil managed locally	5,426
Lead acid batteries managed locally	3,762
Other managed locally	710
Total managed locally**	12,710
TOTAL PROGRAM COLLECTION***	19,552.8
Amount distributed in a SWAP shop	3,131

Key Points Summary	
Total pounds collected per participant	79.16
Total operational cost per pound of waste collected****	\$5.06

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.
 ** Includes SWAP poundage.
 *** Includes hazardous waste managed locally with no contractor disposal costs.
 **** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



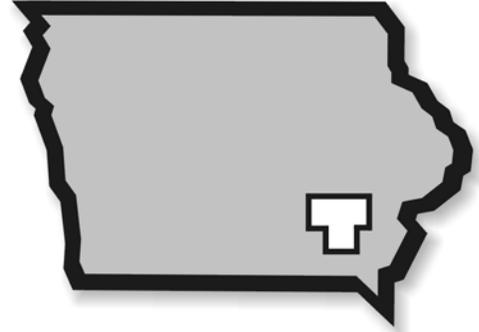
SEMCO Regional Collection Center

Population:
19,291 households

Contact info:
SEMCO Regional
Collection Center
29997 Hwy. 78
Richland, IA 52585

Ray Griffin
(319) 456-6171

Facility Service Area:
Main Facility: *Jefferson
County.* Mobile Collection
Unit supporting: *Jefferson,
Keokuk and Washington
counties*



Participation Overview	Number of participants	Percent participation
Households participating	64	0.33
Conditionally exempt businesses	0	NA

Total RCC
expenditures*
\$9,268

Disposal costs \$4,245
RCC disposal cost per pound \$0.85

Operation &
Disposal Support
From DNR
\$1,440

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	5,000
Latex paint managed locally	0
Used oil managed locally	0
Lead acid batteries managed locally	0
Other managed locally	0
Total managed locally**	0
TOTAL PROGRAM COLLECTION***	5,000
Amount distributed in a SWAP shop	0

Key Points Summary	
Total pounds collected per participant	78.13
Total operational cost per pound of waste collected****	\$1.85

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.

** Includes SWAP poundage.

*** Includes hazardous waste managed locally with no contractor disposal costs.

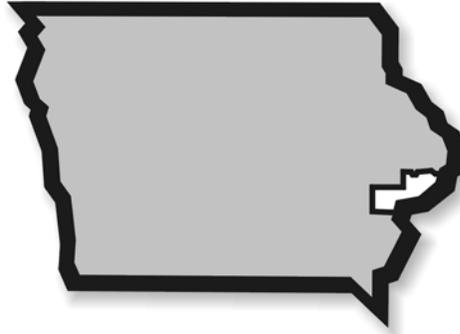
**** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



Waste Commission of Scott County Regional Collection Center

Facility Service Area:

Main Facility: *Scott County*
 Mobile Connection Unit supporting: *Scott and Muscatine counties*
 Satellite Facility: *Muscatine County*



Population:
 78,181 households

Contact info:
 Waste Commission of Scott County
 P.O. Box 563
 Buffalo, IA 52728

Kathy Morris
 (563) 381-1300

Participation Overview	Number of participants	Percent participation
Households participating	2,824	3.61
Conditionally exempt businesses	130	NA

Disposal costs \$41,907
 RCC disposal cost per pound \$0.08

Total RCC expenditures*
 \$143,144.26

Type of Waste Collected	Quantity collected (pounds)
Household hazardous waste (HHW)	100,447
Latex paint managed locally	111,008
Used oil managed locally	243,608
Lead acid batteries managed locally	43,388
Other managed locally	13,793
Total managed locally**	411,797
TOTAL PROGRAM COLLECTION***	520,921
Amount distributed in a SWAP shop	25,395

Operation & Disposal Support From DNR
 \$41,737.30

Key Points Summary	
Total pounds collected per participant	176.34
Total operational cost per pound of waste collected****	\$0.27

* Total RCC Expenditures include: disposal costs, salaries and benefits, equipment and supplies, overhead, public education, training and insurance.
 ** Includes SWAP poundage.
 *** Includes hazardous waste managed locally with no contractor disposal costs.
 **** Total Cost Per Pound of Waste Collected calculated by dividing Total RCC Expenditures by pounds of Total Program Waste Collected.



Iowa Regional Collection Center Contact Information

Main facilities are in bold with satellite facilities listed beneath

RCC Name	Phone	Counties Served
Cedar Rapids/Linn Co. SWA Benton Co. Satellite Iowa Co. Satellite Tama Co. Satellite	319-373-4771 641-472-2211 641-828-4401 319-484-3341	Linn, Benton, Iowa, Tama Benton Iowa Tama
Bremer Co. RCC Buchanan Co. Satellite Butler Co. Satellite	319-352-4574 319-440-1080 319-267-2070	Bremer, Buchanan, Butler Buchanan Butler
Clinton Co. Area SWA Cedar Co. Satellite Jackson Co. Satellite Jones Co. Satellite	563-243-4749 563-886-6437 563-652-5658 319-462-4977	Clinton, Cedar, Jackson, Jones Cedar Jackson Jones
Council Bluffs RCC	712-328-4985	Pottawattamie, Mills
Dubuque Co. RCC	563-589-1720	Dubuque, Delaware
HazChem Center/SE IA Lee Co. Satellite	319-753-8758 319-753-8758	Des Moines, Henry, Lee, Louisa Lee
Iowa City RCC	319-356-5170	Johnson
Landfill of North Iowa Kossuth Co. Satellite	641-357-5452 515-924-3739	Cerro Gordo, Franklin, Hancock, Kossuth, Winnebago, Worth Kossuth
Mahaska Co.	641-673-1772	Mahaska



Iowa Regional Collection Center Contact Information (continued)

Main facilities are in bold with satellite facilities listed beneath

RCC Name	Phone	Counties Served
Metro Waste Authority	888-603-2739 515-967-5512	Polk, Adair, Boone, Carroll, Chickasaw, Crawford, Dallas, Floyd, Greene, Grundy, Hardin, Jasper, Lucas, Madison, Marion, Marshall, Mitchell, Monroe, Poweshiek, Shelby, Story, Warren
Adair Co. Satellite	641-743-8343	Adair
Boone Co. Satellite	515-433-0591	Boone
Carroll Co. Satellite	712-792-5001	Carroll
Chickasaw Co. Satellite	877-982-4288	Chickasaw
Crawford Co. Satellite	712-792-5001	Crawford
Floyd Co. Satellite	641-982-4288	Floyd
Grundy Co. Satellite	319-824-6967	Grundy
Hardin Co. Satellite	641-939-5808	Hardin
Jasper Co. Satellite	641-792-3866	Jasper
Madison Co. Satellite	515-462-3083	Madison
Marion Co. Satellite	641-828-8545	Marion
Marshall Co. Satellite	641-752-0646	Marshall
Mitchell Co. Satellite	877-982-4288	Mitchell
Shelby Co. Satellite	712-792-5001	Shelby
Story Co. Satellite	515-239-5137	Story
Monona Co.	712-353-6300	Monona
PCB	712-225-3749	Buena Vista, Cherokee, Plymouth
Prairie RCC (formerly TAURUS)	641-347-5022	Adams, Taylor, Union
SEMCO	319-456-6171	Jefferson, Keokuk, Washington
Siouxland	712-279-6222	Woodbury
Waste Comm. Scott Co. Muscatine Co. Satellite	563-381-1300 563-263-9689	Scott, Muscatine Muscatine



Household Hazardous Materials Reference List (not inclusive)

MOTOR OILS & MOTOR OIL ADDITIVES

- All motor oil products
- Engine lubricants
- Oil and transmission fluid additives
- Transmission fluids
- Oil

MOTOR OIL FILTERS

- All types, canister or replaceable filter elements

GASOLINE & DIESEL ADDITIVES

- All types of gas treatments & gas line freeze-up products

DEGREASERS

- All engine cleaners, most of these are also solvents, many come in aerosol cans

WAXES & POLISHES (except nail polish)

- Shoe polishes
- Car waxes
- Spray dust cleaners
- Floor waxes
- Furniture polishes
- Furniture stains

SOLVENTS (except water)

- Mineral spirits
- Alcohols
- Naphtha
- Turpentine
- Cresol

PAINTS (except latex-based materials)

- All other paints-brush or spray including aerosol paints

LACQUERS & THINNERS (except water)

CAUSTIC HOUSEHOLD CLEANERS

- Drain cleaners
- Most oven cleaners
- Brass cleaners
- Toilet bowl cleaners
- Rust removers
- Silver & Chrome

SPOT & STAIN REMOVERS (petroleum base)

PETROLEUM BASED FERTILIZERS

**PESTICIDES**

Any insecticide product including, but not limited to:

- Yard & garden sprays
- Flea & tick products for pets
- Moth balls
- Rodenticides
- Herbicides
- Roach powder
- Fly strips
- Algaecides
- Fungicides
- Bug sprays or stick creams

MISCELLANEOUS

- Lead-acid batteries
- Pool chemicals
- Photography chemicals
- Eye glass cleaner
- Windshield wiper solution
- Self-lighting charcoal
- Gun cleaner solution
- All aerosols (except personal care products)
- Rechargeable batteries
- Antifreeze
- Wood preservatives
- Butane lighters
- Most glues & adhesives
- Charcoal lighter fluid
- Jewelry cleaner

The **BOLD FACED HEADINGS** are categories listed in the Groundwater Protection Act. The materials listed under the headings are there to assist you in identifying the types of products included under the HHM program. This list is not all inclusive. Questions? Call the Department of Natural Resources at **515-281-4367**.